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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/765,123	01/17/2001	Travis Parry	10002909-1	6519

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HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

AU, SCOTT D

ART UNIT	PAPER NUMBER
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2635

DATE MAILED: 07/24/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/765,123	Travis Parry	
	Examiner	Art Unit	
	Scott Au	2635	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) 1 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
 If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
 * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

The application of Parry for a "wireless multi-function communication device" filed January 17, 2001 has been examined.

Claims 1-10 are pending.

Specification

The disclosure is objected to because of the following informalities: On page 4, line 30, presently read as "display driver 14" which the examiner suggests it should be rewritten as "display driver 16" according to the Figure 2. Appropriate correction is required.

Claim Objections

Claim 10 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 10 is dependent on claim 6 and the body of claim 10 is also identical to claim 6. Therefore, claim 10 fails to further limit the subject matter of claim 6. It is suggested to change claim 10 to depend on claim 7 in order to overcome objection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 4-6 and 10 are rejected under 35 U.S.C. 102(b) as being anticipated by August (U.S# 5,671,267).

Referring to claim 1, August et al. disclose a multi-function wireless communications device (10) (i.e. a handset unit) (col. 2, lines 27-33; see Figure 1-2) comprising:

a control circuit (110) (control unit) (col. 4, lines 59-63);

an input device (360) (i.e. keypad) (col. 5, lines 22-26) connected to the control circuit (110);

a display device (325) (i.e. LCD display) (col. 5, lines 39-42) connected to the control circuit (110);

a remote control circuit (i.e. the circuitry comprises of 125, 127, 129 and 130) and a telecommunications circuit (i.e. the circuitry comprises of 113, 114, 123 and 134) connected to the control circuit (110) (col. 4, lines 42-52; see Figure 2).

Referring to claim 4, August et al. disclose the multi-function communication device of claim 1, wherein the input device further including a keypad (360) (col. 5, lines 22-26; see Figure 2).

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Referring to claim 5, August et al. disclose the multi-function communication device of claim 1, wherein the display further including LCD display (325) (col. 5, lines 39-42; see Figure 2).

Referring to claims 6 and 10, August et al. disclose the multi-function communication device of claim 1, wherein the control circuit further including a switch (320) (col. 7, lines 23-29; see Figure 3) for switching operation of multi-function wireless communications device between the remote control circuit (i.e. the circuitry comprises of 125, 127, 129 and 130) and the telecommunications circuit (i.e. the circuitry comprises of 113, 114, 123 and 134).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2-3 and 7-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over August et al. (U.S# 5,671,267) as applied to the claim 1 above, and further in view of Yamashita (U.S# 6,223,034).

Referring to claims 2-3 and 7-9, August et al. discloses a wireless communication device (10) (col. 2, lines 27-33; see Figure 2) of claim 1 above, August et al. disclose wherein the multi-appliance remote control circuit further comprises;

A remote control circuit (i.e. the circuitry comprises of 125, 127, 129 and 130) comprises a remote control high frequency transmitter circuit (125) (i.e infrared transmitter) connected to the control circuit (110) and connectable to high frequency communication link (col. 5, lines 55-60; see figure 2); and remote control high frequency receiver circuit (127) (i.e. infrared receiver) connected to the control circuit (110) and connectable to high frequency communication link (col. 5, lines 55-60; see Figure 2).

A telecommunications circuit (i.e. the circuitry comprises of 113, 114, 123 and 134) a radio transmitter circuit (113) connected to the control circuit (110) and connectable to a telecommunications system by a radio signal (col. 5, lines 2-20; see Figure 2); and a radio receiver circuit (114) connected to the control circuit (110) and connectable to the telecommunications system by radio signal (col. 5, lines 2-20; see Figure 2)

However, August et al. did not explicitly disclose the signal processor units for the remote control circuit and telecommunication circuit that connected to the remote control transmitter circuit, remote control receiver circuit and the control circuit.

In the same field of endeavor of wireless communication systems, Yamashita et al. teach that a signal processor unit (12) is connected to the remote control transmitter circuit, remote control receiver circuit (11) (radio unit) (col. 3, lines 27-33) and the control circuit (3) (CPU), wherein the control receiver and transmitter circuit for

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processing and frequency conversion of high frequency signals, and signal processing unit for signals processing (col. 3, lines 27-31) are used in order to process baseband signals before and after sending the signal to the CPU (3).

One of ordinary skilled in the art recognizes the need to add the signal processing unit (12) that connect to the CPU (3) of Yamashita in an interactive communication of August et al. because August et al. suggest a control unit (110) configures a radio frequency (RF) transmitter (113) and radio frequency (RF) receiver (114) for operation on the frequency channel in a telecommunication circuit (i.e the circuitry comprises of 113, 114, 123 and 134) (col. 5, lines 2-7); and the transmitter (125) and infrared receiver (127) are used for transmitting and receiving infrared signals to and from other infrared controlled devices in a remote control circuit (i.e the circuitry comprises of 125, 127, 129 and 130) (col. 5, lines 55-65) and Yamashita teach that a remote control signal processor (12) connected to the remote control transmitter circuit, remote control receiver circuit (11) (radio unit) (col. 3, lines 27-33) and the control circuit (3) (i.e. CPU) wherein the control receiver and transmitter circuit for processing and frequency conversion of high frequency signals, and signal processing unit for processing signals (col. 3, lines 27-31), are used in order to increase the speed of signal processing. Therefore, it would have been obvious to a person of ordinary skill in the art at the time of the invention was made to use the signal processor units that connect the CPU of Yamashita into a wireless multi-function communication system of August et al. with the motivation for doing so would have been to provide faster speed of processing signal to control the telecommunication system and appliance control circuit.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Jeon (U.S # 6,205,331) discloses a memory sharing method for integrated digital cordless telephone and radio paging receiver.

Pettit (U.S # 6,445,933) discloses a tele-remote device includes a cordless or cellular telephone in combination with a remote control unit.

Any inquiry concerning this communication or earlier communications form the examiner should be directed to Scott Au whose telephone number is (703) 305-4680. The examiner can normally be reached on Mon-Fri, 8:30AM – 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Horabik can be reached at (703) 305-4704. The fax phone numbers for the organization where this application or proceeding is assigned are (703)-872-9314 for regular communications and (703)-872-9315 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-305-3900.

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Scott Au

July 9, 2003

MICHAEL HORABIK
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

A handwritten signature in black ink, appearing to read "Michael Horabik", written in a cursive style.